

CLAIMS

1. Inserts in the moist/wet region of cooling towers, essentially consisting of plastic, which is characterized by the fact that the inserts are made of a plastic to which additives that prevent subsequent soiling by microorganisms are added in a suitable amount.
2. Inserts as in Claim 1, which are characterized by the fact that the inserts serve to optimize the heat exchange between air and water through distribution and trickling of the water.
3. Inserts as in Claim 2, which are characterized by the fact that the inserts are packages of plastic films arranged side by side.
4. Inserts as in Claim 2, which are characterized by the fact that the inserts are formed of trickle lattices or blocks.
5. Inserts as in Claim 1, which are characterized by the fact that the inserts are plate heat exchangers, water-carrying pipes, water-distributing nozzles, linings for the side walls of the cooling tower and/or collectors, and/or form the side walls of the cooling tower.
6. Inserts as in one of Claims 1 to 5, which are characterized by the fact that the plastic material is a thermoplastic.
7. Inserts as in Claim 6, which are characterized by the fact that the plastic material is PVC.

8. Inserts as in one of Claims 1 to 7, which are characterized by the fact that the added additives are biocides.

9. Inserts as in one of Claims 1 to 8, which is characterized by the fact that the additives contain noble metals and/or noble metal compounds.

10. Inserts as in one of Claims 1 to 9, which is characterized by the fact that the additives are added to the plastic before its processing.